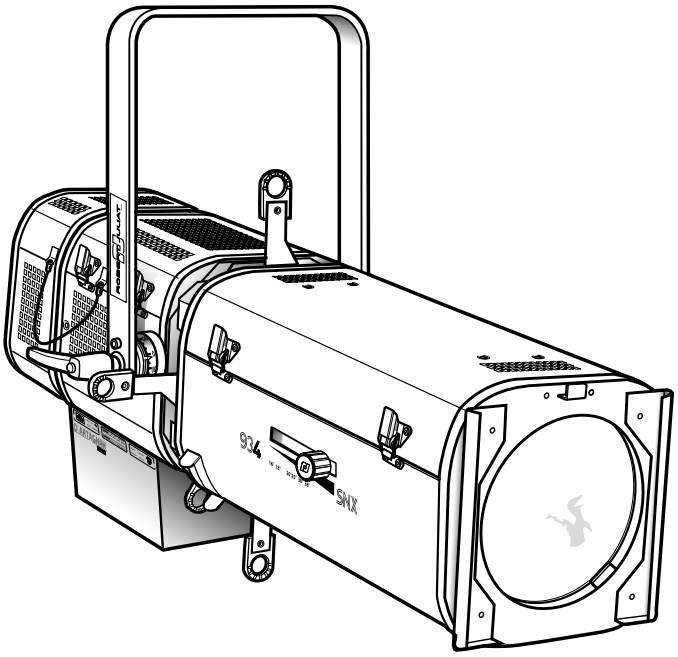
D'ARTAGNAN

TECHNICAL FILE /
DOSSIER TECHNIQUE :



930, 933 & 934 SNX

PROJECTEURS DE DÉCOUPES MSR 2500W
REAMORÇAGE À CHAUD /
MSR 2500W HOT RESTRIKE PROFILES

ROBERT JULIAT

VALIDATION : 27.10.10

DN30750601

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NOTES

You have in your possession a ROBERT JULIAT profile. We would like to congratulate you on your choice.

The performance of this profile depends on the care you'll give to its maintenance. We advise you to read this manual and then keep it for reference.

Do not hesitate to come up with suggestions ; it's thanks to you that our products will continue to improve.

Thank you.

ROBERT JULIAT

Vous venez de prendre possession de votre nouveau projecteur de découpe et nous vous remercions de votre choix.
Le résultat que vous en obtiendrez dépendra pour beaucoup du soin que vous apporterez à son entretien, aussi nous vous conseillons de lire ces quelques pages qui ont été écrites à votre intention et de les conserver en cas de nécessité.

Ne manquez pas de nous faire part de vos idées ou suggestions ; c'est grâce à vous que le produit pourra évoluer.

Merci de votre attention.

ROBERT JULIAT

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Please read carefully all the instructions before operating the appliance.

GENERAL INSTRUCTIONS

1. Not for residential use.
2. **Only qualified technicians are permitted to service these fixtures.**
3. In addition to the instructions indicated on this page, you must adhere to the relevant health and safety requirements of the appropriate EU Directives.
4. This fixture is in compliance with section 17: Lighting appliance for theatre stages, television, cinema and photograph studios. Standards NF EN 60598-1 and NF EN 60598-2-17.
5. This fixture is rated as IP20, and is for indoor use only.

FIXTURE

6. **Warning:** high voltage ignition. Disconnect from the mains before any servicing.
7. Make sure the fixture is correctly mounted on an appropriate support.
8. The protection screens, lenses or U.V. filters must be replaced if there is any visual damage which might reduce their performance, for example, by cracks or deep scratches.
9. When hung or flown the fixture must be secured by another hanging accessory (such as a safety cable or bond) that is of suitable length.
10. The safety bond or cable must be securely attached at the back of the fixture. It must be as short as possible or rolled up as necessary to ensure the fixture does not travel any distance should it be dislodged.
11. Movable accessories (barn doors, HMI shutters, spill rings etc.) must also be secured with a suitable safety cable or bond at the front of the fixture.
12. Take into account the weight of both the fixture and the accessories when choosing the strength of the attachment point and the safety cable or bond.
13. Do not open the lighting fixture when the lamp is on.
14. Both the lamp and lamp housing heat up when powered. Wait until the fixture is cold before servicing.
15. Do not tamper with the design of the fixture nor any of its safety features.
16. Tighten the electrical mains cable connections regularly. Replace mains cable with an identical one if damaged.
17. Use only with correct power supply.

Ventilation

18. Keep well away from flammable material.
19. Do not use outside. Do not cover. Do not permit the fixture to get wet.
20. To avoid overheating, do not obstruct air vents.
21. If the fixture has fans, make sure they are working correctly. If fans are not working, turn the fixture off immediately and service as necessary.

Lamp

Danger
The discharge lamp used emits short-wave ultraviolet radiation which is harmful to skin and eyes.

22. Use only fully enclosed in the fixture.
23. Never look at the lamp directly.
24. Warning: U.V. rays : Protect your eyes.
25. Check that the lamp voltage corresponds to the mains voltage used. Do not use a lamp with power that is an incorrect type or voltage to the one that is indicated on the lamp housing or packaging.
26. The lamp must be replaced if it has been damaged or deformed by the heat.
27. Use only when bulb is in place.

Cleaning

28. Do not touch the lamp or the mirror with your fingers.
29. Keep optical parts (lens, lamps,…) clean with alcohol.
30. Regularly remove dust from the mirror with a soft and clean rag.
31. If the fixture has filters they must be cleaned frequently.

POWER SUPPLY

32. Disconnect from the mains before any servicing.
33. Mains connection only. Do not connect to an "electronic output" (dimmer, static relay...).
34. Do not use outside. Do not cover.
35. The power supply has circuit breakers, which should always be kept accessible.
36. There is no maximum distance between the lighting unit and the power supply.
37. Check the mains voltage.

PLEASE NOTE

These products have been built to conform to European standards relating to professional lighting equipment. Any modification made to our products will void the manufacturers' warranty

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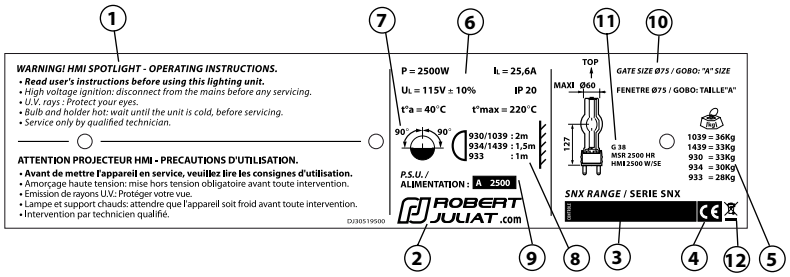
THE IDENTIFICATION PLATES.

- The identification plate situated on the lighting unit :



1 *User's instructions,* ***read the previous page attentively.***
2 *Lighting unit's reference & name.*
3 *Serial number.*
4 *European conformity.*
5 *Net weight without accessories.*
6 *Technical characteristics :*
- *P = Maximum power input.*
- *A_L = Max. amp intensity.*
- *U_L =Max. voltage at the lamp terminal.*
- *IP 20 = indoor use ONLY.*
- *t a = max temperature ambient.*
- *t max = Maximum external temperature of the unit.*

7 *Restrictive operating position : front view.*
8 *Minimum distance between a flammable material and the lighting unit.*
9 *Type of P.S.U.*
10 *Gobo size.*
11 *Admissible lamps.*
12 *WEEE directive label.*

Units :

- Dimensions	*= metre (m) millimetre (mm).*	*- Frequency*	*= Hertz (Hz).*
- Weight	*= kilogram (kg).*	*- Power*	*= Watt (W).*
- Intensity	*= Ampere (A) milliampere (mA).*	*- Temperature*	*= Degree Celsius (°C).*
- Voltage	*= Volt (V).*		

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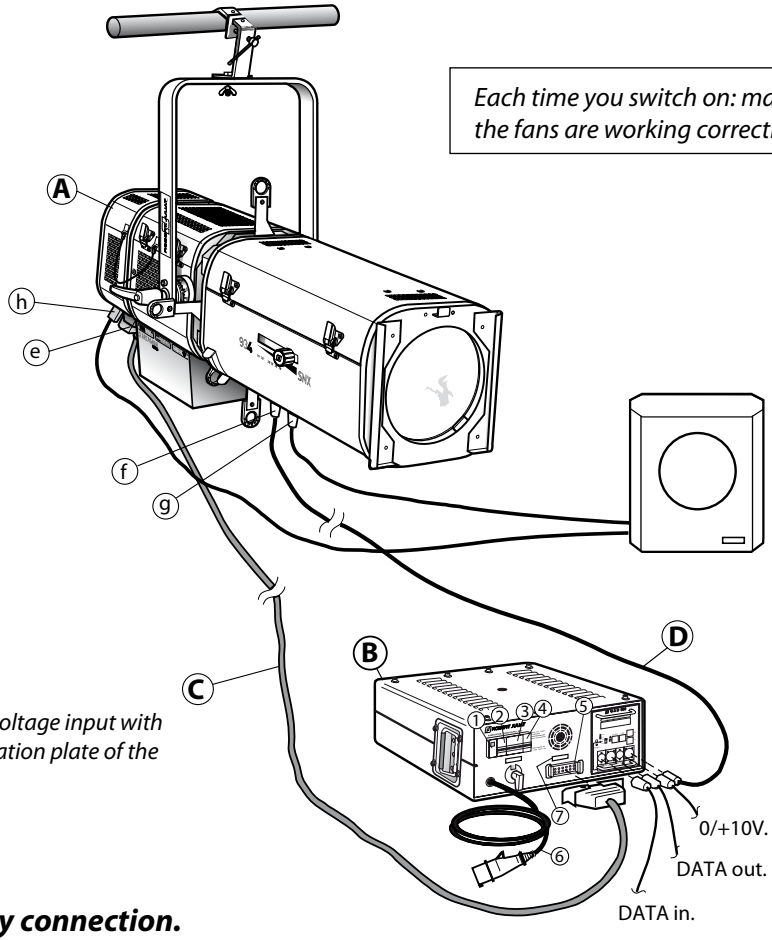
CONNECTIONS.

Each time you switch on: make sure the fans are working correctly.



OPTION
DMX colour changer.

Mains voltage.

- *Check the conformity of the mains voltage input with the values indicated on the identification plate of the PSU (mains voltage & lamp power)*

Rating plate (7): Lamp power.

Lighting unit / Power supply connection.

- *Connect the lamp cable (C) to the connector (5) of the ballast and connector (e) to the lighting unit.*
- *Connect the cable (D) to the connector (d) of the ballast and to the connector (f) of the lighting unit "XLR7".*
- *Place the lamp into position - refer to section A - 7.*
- *Connect the DATA line on connector (a) "XLR5" or the analog command to the connector (c) "XLR4". (For the connection configurations : refer to section B - 3).*
- *Connect the optional units that are possible, to connector (g) (Only DATA).*
- *Plug the cable (6) to the mains. If the power is present, the checklight (1) lights up immediately.*
- *Engage the circuit breaker (3) and check that the CAD 900 protection (4) is well engaged.*
- *If you use the optional outlet (h), engage the circuit breaker (2).*

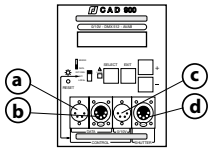
WARNING !
- *Never open the lamp house's bonnet when the lighting unit is on.*
- *Do not change the safety switches.*
- *Never connect to a dimmable channel.*
- *Use only when lamp in place.*

• Use only the listed cables to connect to the mains - Refer to the respective PSU technical file.

DESCRIPTION.

(A) *900 SNX Motorized shutter - CAD 900 version.*
e *- EM HARTING 16 x 16A power socket.*
f *- EM XLR7 shutter + DATA (option).*
g *- EF XLR5 output DATA (colour changer option).*
h *- EF mains output 220/240V (colour changer option).*

(B) *Power supply unit with CAD 900 control module.*



a - EM XLR5 input DATA.
b - EF XLR5 output DATA.
c - EM XLR4 0/+10V input.
d - EF XLR7 output DATA luminaire.

(C) *Lamp cable.*
Cable H07 RN-F 18G 1,5 mm² length 3m fitted with 16 x 16A M/F HARTING connectors.

(D) *Shutter cable.*
14 conductors reinforced shielded cable - length 3m fitted with XLR7 M/F connector.

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PUTTING THE LAMP INTO PLACE.

User's precautions :

- Disconnect from the mains.
- Lamp is cold.
- Avoid touching the bulb of the lamp.

***WARNING** : Fragile lamp - take the lamp out from the lamp housing, when transporting the lighting unit.*

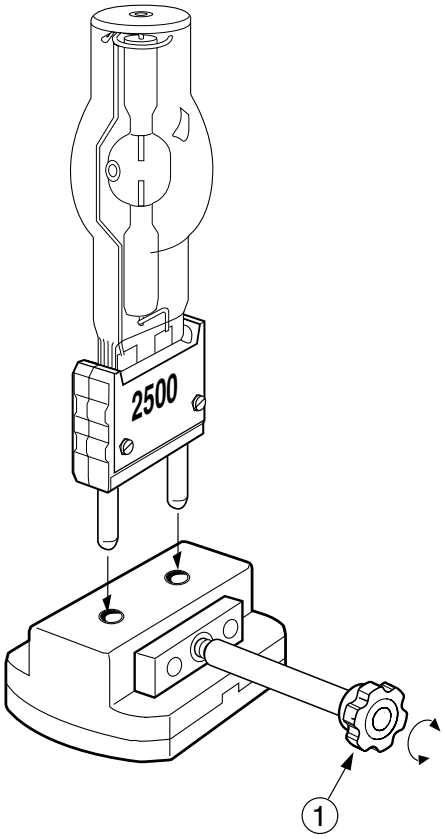
- Open the lamp house's bonnet.

- Open the socket jaws by unscrewing (1).

- Place the lamp into the socket.

- Retighten the socket jaws by using the knob (1).

For means of security, each time the lamp is changed, it is recommended to check the condition of the socket connections: the base of the lamp - socket jaws. A socket or the base of a lamp which has become black, requires replacement. Otherwise, damage will be caused to important parts of the lantern (i.e. ignitor).



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ADMISSIBLE LAMP :
PHILIPS: MSR 2500 HR

Manufacturer's recommendations :

- *Read attentively the manufacturer's instructions.*
- *Positioning of the lamp and connecting the power supply require great care. To make sure there is a good conduction of current, the mechanical support and the electrical connections must be free from dirt and corrosion. The clamps and brackets must be checked whenever the lighting unit has been transported.*
- *The lamp emits ultraviolet radiation. Direct exposure can be harmful to your health.*
- *It is recommended to avoid air draughts, also avoid exposing the lighting unit to bad weather.*
- *Use only when bulb in place*

Technical characteristics :

Voltage at the terminals of the lamp	*115 Volts*
Amperage at the terminals of the lamp	*25,6 Amps*
Luminosity of the lamp	*240 000 lm*
Luminous efficacy	*96 lm/W*
Colour temperature	*6000 Kelvin*
Base	*G38*
Manufacturer's rated life	*500 hours*

User's precautions :

- *The lamplife, as given by the manufacturer, is a theoretic lamplife duration as "in laboratory conditions", a cycle based on 3 hours on / 1 hour off. Briefer cycles reduce the duration of the lamplife.*
- *In operating conditions, it is uncommon, for the lamp to still be fully efficient after 200 to 300 hours. Its efficiency can decrease by 30%.*
- *Premature wearing of lamp under performing conditions is mainly due to frequent switching on. Better leave the lamp on, through the performance, rather than switching it on repeatedly. (The lamplife is reduced about 1 hour, each time the lamp is switched on). It is advised to wait for 10 minutes before switching on again. (This extends the duration of the lamp.)*
- ***Use over 500 hours of the lamp : change the lamp even if it still lights up.***

New lamp :

- *To achieve a good ionization of a new lamp, when using it for the first time, it is recommended to leave it on for a few hours.*
- *Preserve carefully the guarantee slip of the lamp, as it may be asked for in the event to resolve a dispute.*

Thank you.

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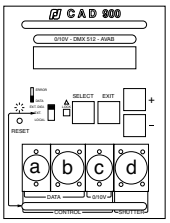
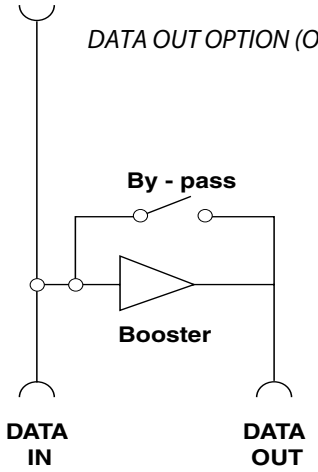
NETWORK USE
DIGITAL (DMX - AVAB).



1 - PRINCIPLE.



DATA OUT OPTION (ON THE LIGHTING UNIT).

- The DATA goes to the connector DATA IN on the CAD 900 (a) .

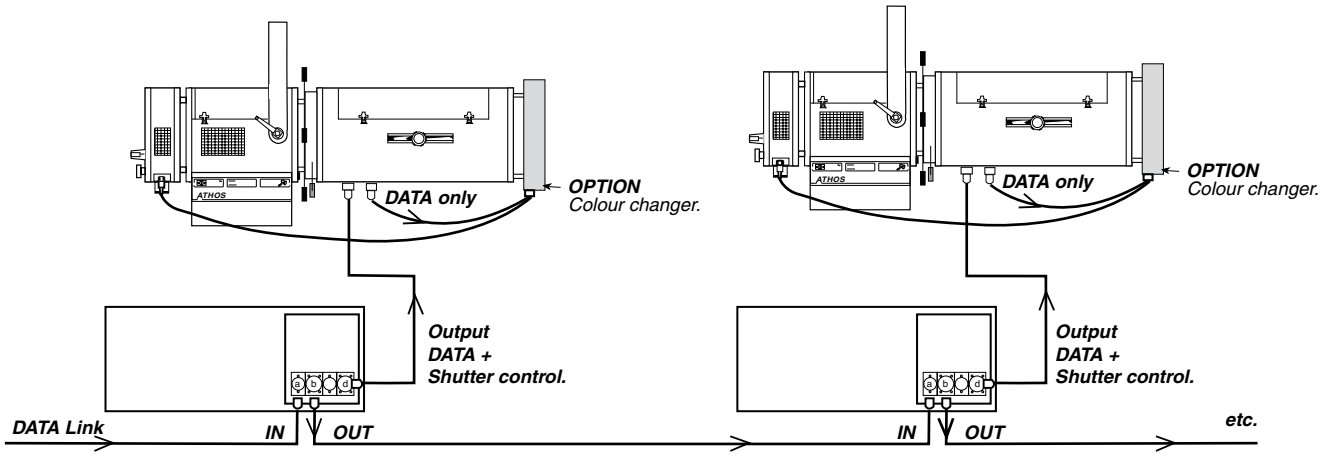
- The signal is present on the DATA output of the lighting unit.

- When the lighting unit is in use, there are two possibilities for the output - DATA OUT :
1 : Booster on - The signal passes by an amp.
2 : Booster off - The signal passes on direct on the output.
(Refer to the CAD 900 user's manual - page 11).

- When the lighting unit is not in use (power supply off), the DATA is still present on DATA output.

2 - LINK USE.

CONNECTIONS



To install the DATA line, daisy chain all units.
You can not make a star configuration. In this case - use a specific DATA splitter.

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CHANGEMENT DE POSITION DE FOURCHE / *CHANGING THE POSITION OF THE YOKE.* (OPTION)

- Dévisser les deux vis du porte-glissière droit et sortir les deux tiges (1) (voir la schéma "ORDRE DE DEMONTAGE").

- Dévisser les deux vis (2) et les quatre vis sous le zoom (3) puis retirer l'iris motorisé (4).

- Desserrer et retirer le bouton (5), puis pousser la tige du bouton vers l'intérieur. Avancer le porte-lentille arrière vers l'avant (6) pour accéder à la vis du système de blocage de fourche (A).

- Démonter la poignée côté droit et la vis côté gauche (7), puis sortir la fourche (8). Démonter le système de blocage de fourche (A) côté droit (voir "Fig. 1").

- Ouvrir le capot de la lanterne et retirer le support lentille (9). Dévisser et retirer les trois vis et sortir (10) le doublage, puis démonter le cache (11).

- Monter le système de blocage de fourche (A*) côté droit et côté gauche (1*) et la nouvelle fourche (2*).
ATTENTION la cale (B) doit être montée devant l'entretoise (C) et non pas à l'arrière (voir "Fig 2").

- Procéder au remontage de toutes les pièces dans le sens inverse comme expliqué dans les paragraphes précédents (voir aussi le schéma "ORDRE DE REMONTAGE").

- *Unscrew and remove the accessories slot holder and the two rodes (1) (refer to the "DISMANTLING ORDER" diagram).*

- *Unscrew the two screws (2) and the four screws under the lens tube (3), then remove the motorised shutter unit (4).*

- *Untighten and remove the knob (5), then push the knob axle towards the interior. Push the rear lens holder towards the front (6) to accede to the yoke's blocking system screw (A).*

- *Unscrew the handle on the right-hand side and the screw on the left-hand side (7) and then remove the (8) yoke. Dismantle the yoke's blocking system (A) on the right side (refer to "Fig. 1").*

- *Open the lamp housing's bonnet (9) and remove the optical lens set. Remove the three screws (10) and remove the metal plate, then remove the cover (11).*

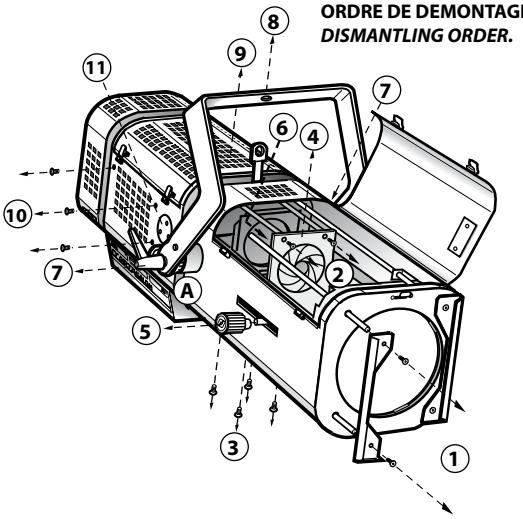
- *Reassemble the yoke's blocking system (A*), left and right-hand side (1*), and the new yoke (2*).*
WARNING *the wedge plate (B) should be remounted infront of the cone spacer (C) and not at the back (refer to "fig. 2").*

- *Reassemble the parts as explained in the paragraphs above in reverse order (refer also to the "REASSEMBLING ORDER" diagram).*

ATTENTION / *WARNING*

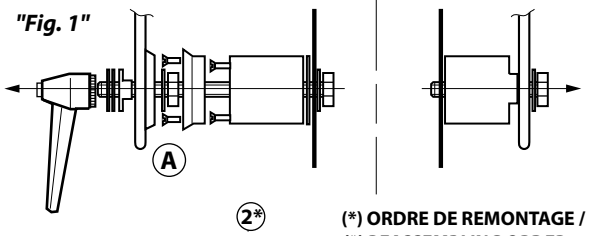
- **Isoler électriquement avant toute intervention.**
- **Matérial professionnel : Intervention par technicien qualifié.**
- ***Disconnet from the mains before any servicing.***
- ***Professional material : Service only by qualified technician.***

ORDRE DE DEMONTAGE / *DISMANTLING ORDER.*

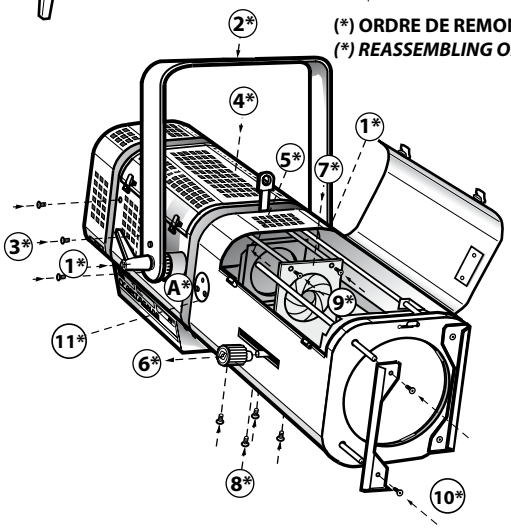


côté droit / *right-hand view* — côté gauche / *left-hand view*

"Fig. 1"

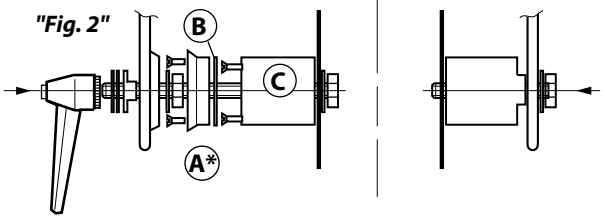


(*) ORDRE DE REMONTAGE / *(*) REASSEMBLING ORDER.*



côté droit / *right-hand view* — côté gauche / *left-hand view*

"Fig. 2"



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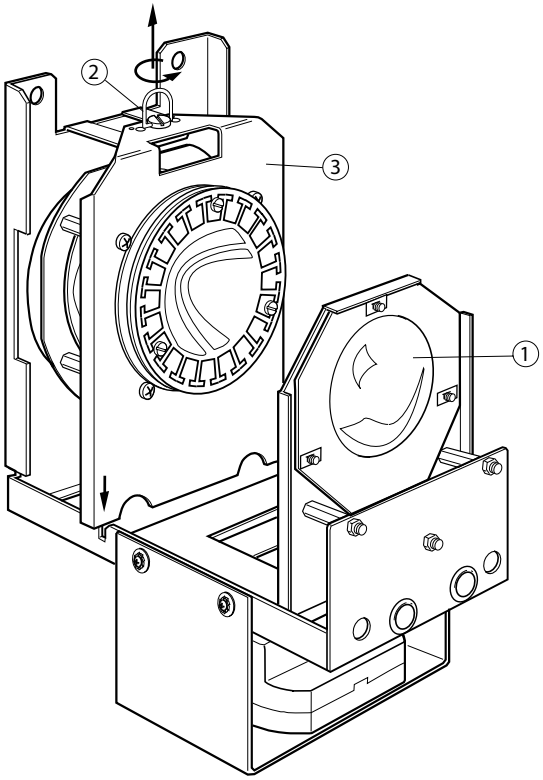
MAINTENANCE

Disconnect from the mains before any servicing.
Service only by qualified technician.

REFLECTOR.

- Disconnect from the mains.
- Open the bonnet of the lamp house.
- Take out the lamp.
(Refer to section A - 7).
- Clean the reflector (1) with a soft dry cloth.

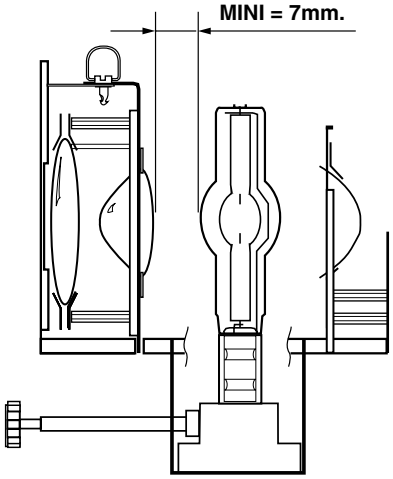


ASPHERIC LENS.

- Unscrew the lock (2).
- Take out the lens holder set (3).
- Clean the lens with a soft dry cloth.
- Remount the lens holder set.

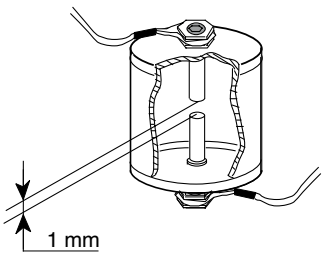
- Clean in the same way, the lenses in the lens tube.

Check the lamp position.



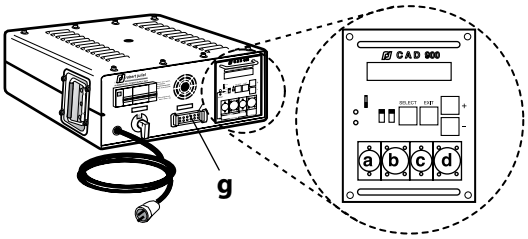
SPARK-GAP.

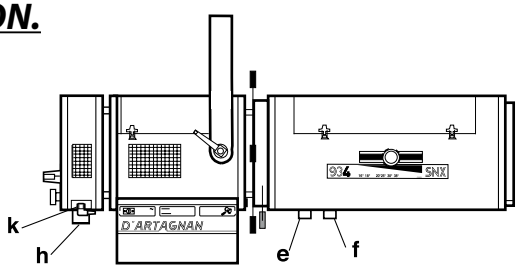
- Disconnect from the mains.
- Open the lamp house bonnet.
- Check the distance of the electrodes that should be 1mm.
(If you notice a larger gap, then please contact the ROBERT JULIAT's technical department).
service@robertjuliat.fr



Le constructeur se réserve la possibilité de modifier ses matériels sans avis préalable. Les renseignements mentionnés sur cette notice sont donnés à titre indicatif et ne sauraient présenter de caractère contractuel.

CONNECTION.





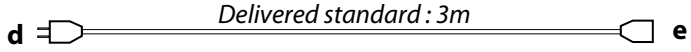
DATA Link

Flexible cable 5 x 0,14 shielded CN5 — *FF XLR 5* — *FM XLR 5* — *Flexible cable 5 x 0,14 shielded CN5*

REP	DESIGNATION
1	0V
2	DATA - IN
3	DATA + IN
4	
5	

REP	DESIGNATION
1	0V
2	DATA - OUT
3	DATA + OUT
4	
5	

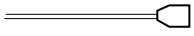
CAD 900/Mechanical Shutter cable



CAD 900 side FM XLR 7 — *Flexible cable 14 x 0,14 shielded CN14* — *Shutter side FF XLR 7*

REP	DESIGNATION		REP	DESIGNATION
1	0V	4 x 0,14	1	0V
2	DATA -	1 x 0,14	2	DATA -
3	DATA +	1 x 0,14	3	DATA +
4	PWM	1 x 0,14	4	PWM
5	INFO 0/+10V	1 x 0,14	5	INFO 0/+10V
6	+U	3 x 0,14	6	+U
7	- U	3 x 0,14	7	- U
SHELL	/	Shielded	NC	/

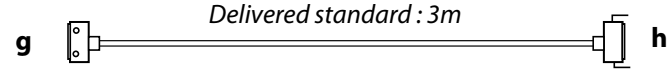
0/+10V control



Flexible cable 5 x 0,14 shielded — *FF XLR 4*

REP	DESIGNATION
1	0V GND
2	Lamp circuit
3	Shutter circuit
4	+15V

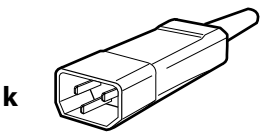
Lamp cable



Ballast side FMD 16 x16 A Harting — *Cable H07 RN-F 18G 1,5mm²* — *Lighting unit side FFD 16 x16 A Harting*

REP	DESIGNATION	REP	DESIGNATION
1	Fan phase	9	Ignition timed phase
2	Ballast phase	10	Ballast phase
3	Lamp Neutral	11	Lamp Neutral
4		12	Earth
5		13	Aux. phase
6	Security return 1200W	14	Aux. Neutral
7	Security return 2500W	15	Common security
8	Security not used	16	Earth
		⊣||	Female side earth only

Note: *This is a universal cable and is suitable for a 1200W / 2500W followspot or profile.*



250V -10A IEC C14 male power connector, for fan power feed.

REP	DESIGNATION
L	Phase
N	Neutral
⏚	Earth

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NON-FUNCTIONING DIAGNOSIS. FOR MOTORISED MODELS (CAD 900)

The ballast does not work.

the mains checklight is not on	Check the mains.
the mains checklight is on the CAD 900 is not on	Check that the circuit breaker is engaged. Check the CAD fuse.
the CAD still does not work :	**Contact the RJ service.**
Message displayed : RJ LAMP ERR.	**Contact the RJ service.**

The CAD fuse blows out while in use.

Disconnect the shutter connection and then change the fuse. → Switch on the ballast.

- If the fuse blows again - change the CAD: (refer to section C - 10).
- The CAD stays on - check the shutter cable connection. (refer to sections A - 5 & A - 11)
- Reconnect the shutter cable : If the problem comes back : Change the whole block. (refer to section C - 7)

1. USING THE "AUTO" MODE .

1.1 The ballast and the CAD are on ; the "lamp on" command is given, but the lamp does not switch on.

- message displayed : RJ LAMP LIGHTING TRY FAILURE — No ignition sound.
  - Check that the lantern bonnet is well closed.
  - Check that the cable is well connected. (refer to sections A - 5 & A - 11)
  - Check that the correct cable has been used.
  - → Restart the "LAMP ON" procedure.
- message displayed : RJ LAMP LIGHTING TRY FAILURE — ignition sound.
  - Check that the lamp is in good condition, in any doubt : change it. (counter lamplife : page 6/7 - manual CAD)
  - Check the mains voltage >200 V.
  - Check that the ignition is well adjusted (refer to section B - 1)
  - → Restart the "LAMP ON" procedure.
- message displayed : RJ LAMP LIGHTING TRY FAILURE → **Contact ROBERT JULIAT's technical department**

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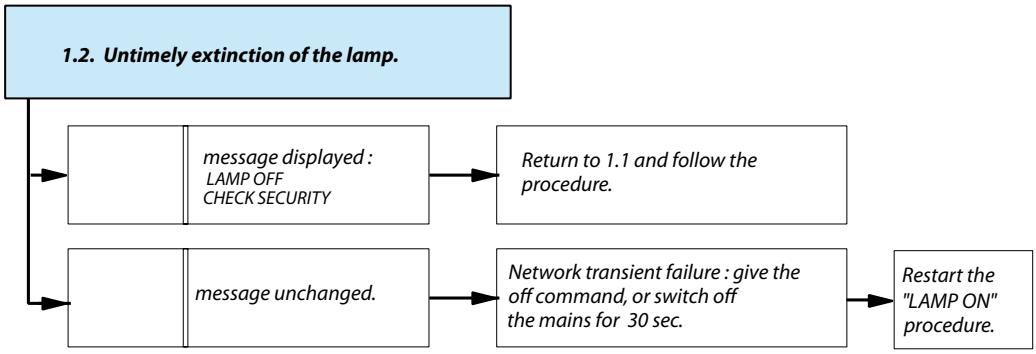
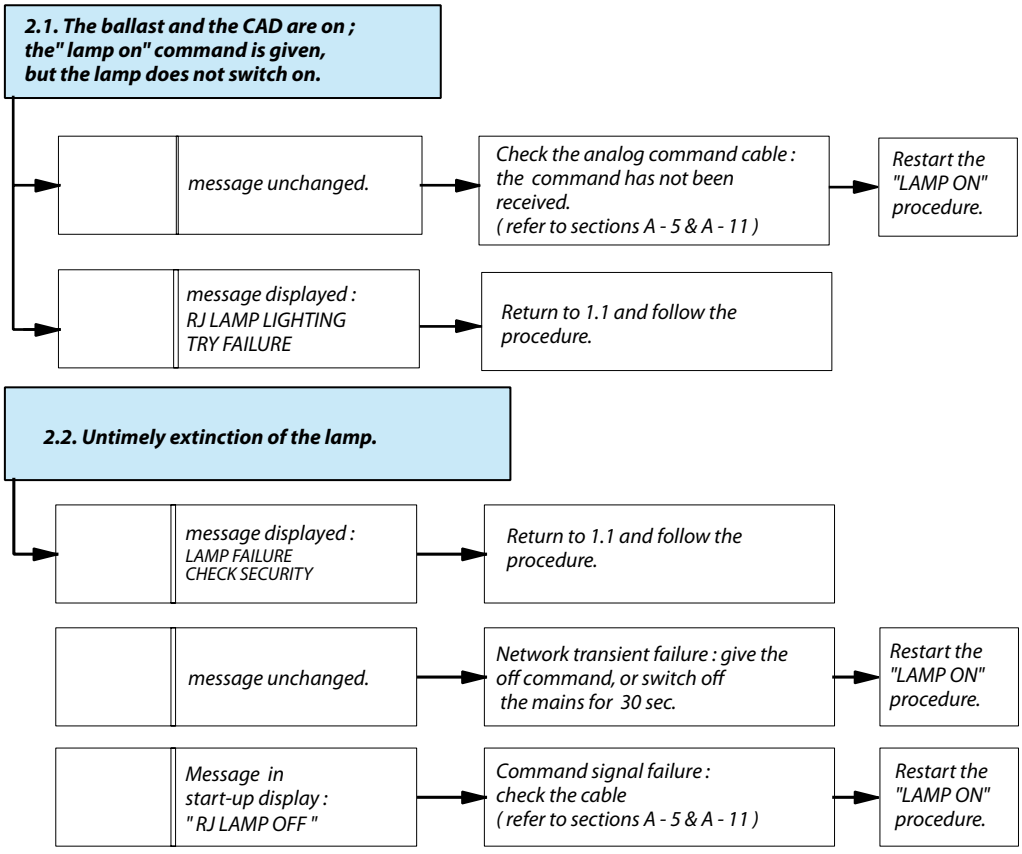

1.2. Untimely extinction of the lamp.
message displayed :
LAMP OFF
CHECK SECURITY
Return to 1.1 and follow the procedure.
message unchanged.
Network transient failure : give the off command, or switch off the mains for 30 sec.
Restart the "LAMP ON" procedure.

2. USING THE " ANALOG " MODE


2.1. The ballast and the CAD are on ; the" lamp on" command is given, but the lamp does not switch on.
message unchanged.
Check the analog command cable : the command has not been received.
(refer to sections A - 5 & A - 11)
Restart the "LAMP ON" procedure.
message displayed :
RJ LAMP LIGHTING
TRY FAILURE
Return to 1.1 and follow the procedure.
2.2. Untimely extinction of the lamp.
message displayed :
LAMP FAILURE
CHECK SECURITY
Return to 1.1 and follow the procedure.
message unchanged.
Network transient failure : give the off command, or switch off the mains for 30 sec.
Restart the "LAMP ON" procedure.
Message in start-up display :
" RJ LAMP OFF "
Command signal failure : check the cable
(refer to sections A - 5 & A - 11)
Restart the "LAMP ON" procedure.

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3. USING THE " DIGI " MODE.

3.1.The ballast and the CAD are on ; the " lamp on" command is given , but the lamp does not switch on.

Green LED on.	message unchanged.	No circuit number "lamp channel" assigned : refer to page 9 of the CAD 900 manual.	Restart the "LAMP ON" procedure.
Green LED on.	message displayed : RJ LAMP LIGHTING TRY FAILURE.	Return to 1.1 and follow the procedure.	
Green & red LED off.	message unchanged.	Transmission Data error : connection failure : check cable. (refer to sections A - 5 & A - 11).	Restart the "LAMP ON" procedure.
Green & red LED on.	message unchanged.	Transmission Data error : connection faulty or damaged - check the wiring.	Restart the "LAMP ON" procedure.
		Important disruption on the Data line : check the installation.	Restart the "LAMP ON" procedure.
		Bad Protocol : refer to page 7 of the CAD 900 manual.	Restart the "LAMP ON" procedure.
		Protocol recognition locked : refer to page 15 of the CAD 900 manual - The preferences.	Restart the "LAMP ON" procedure.

3.2. Untimely extinction of the lamp.

Green LED on.	message displayed : LAMP FAILURE CHECK SECURITY	Return to 1.1 and follow the procedure.	
Green LED on.	message unchanged.	Network cut off : give the off command.	Restart the "LAMP ON" procedure.

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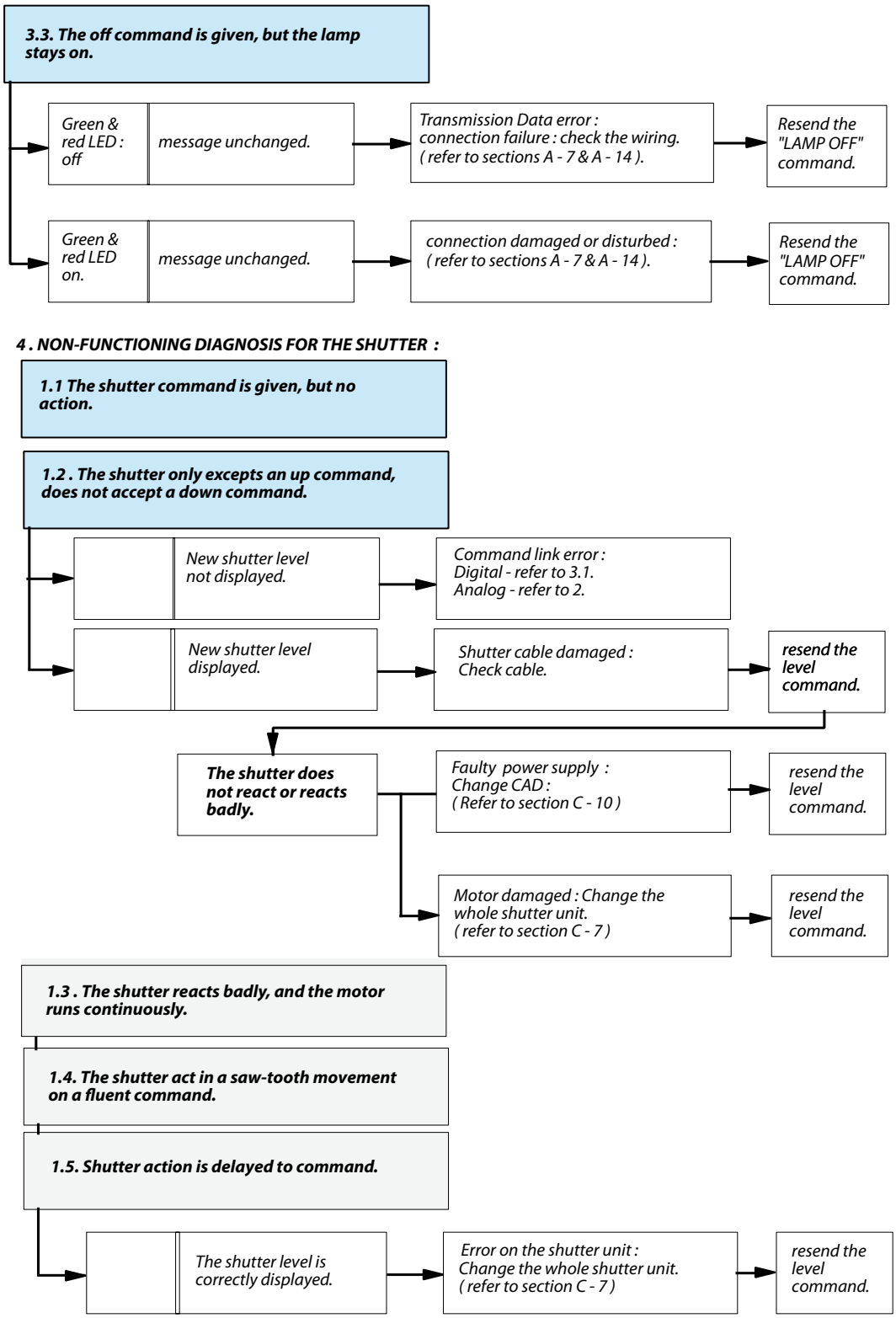
3.3. The off command is given, but the lamp stays on.
Green & red LED : off
message unchanged.
Transmission Data error : connection failure : check the wiring. (refer to sections A - 7 & A - 14).
Resend the "LAMP OFF" command.
Green & red LED on.
message unchanged.
connection damaged or disturbed : (refer to sections A - 7 & A - 14).
Resend the "LAMP OFF" command.
4 . NON-FUNCTIONING DIAGNOSIS FOR THE SHUTTER :
1.1 The shutter command is given, but no action.
1.2 . The shutter only excepts an up command, does not accept a down command.
New shutter level not displayed.
Command link error : Digital - refer to 3.1. Analog - refer to 2.
New shutter level displayed.
Shutter cable damaged : Check cable.
resend the level command.
The shutter does not react or reacts badly.
Faulty power supply : Change CAD : (Refer to section C - 10)
resend the level command.
Motor damaged : Change the whole shutter unit. (refer to section C - 7)
resend the level command.
1.3 . The shutter reacts badly, and the motor runs continuously.
1.4. The shutter act in a saw-tooth movement on a fluent command.
1.5. Shutter action is delayed to command.
The shutter level is correctly displayed.
Error on the shutter unit : Change the whole shutter unit. (refer to section C - 7)
resend the level command.

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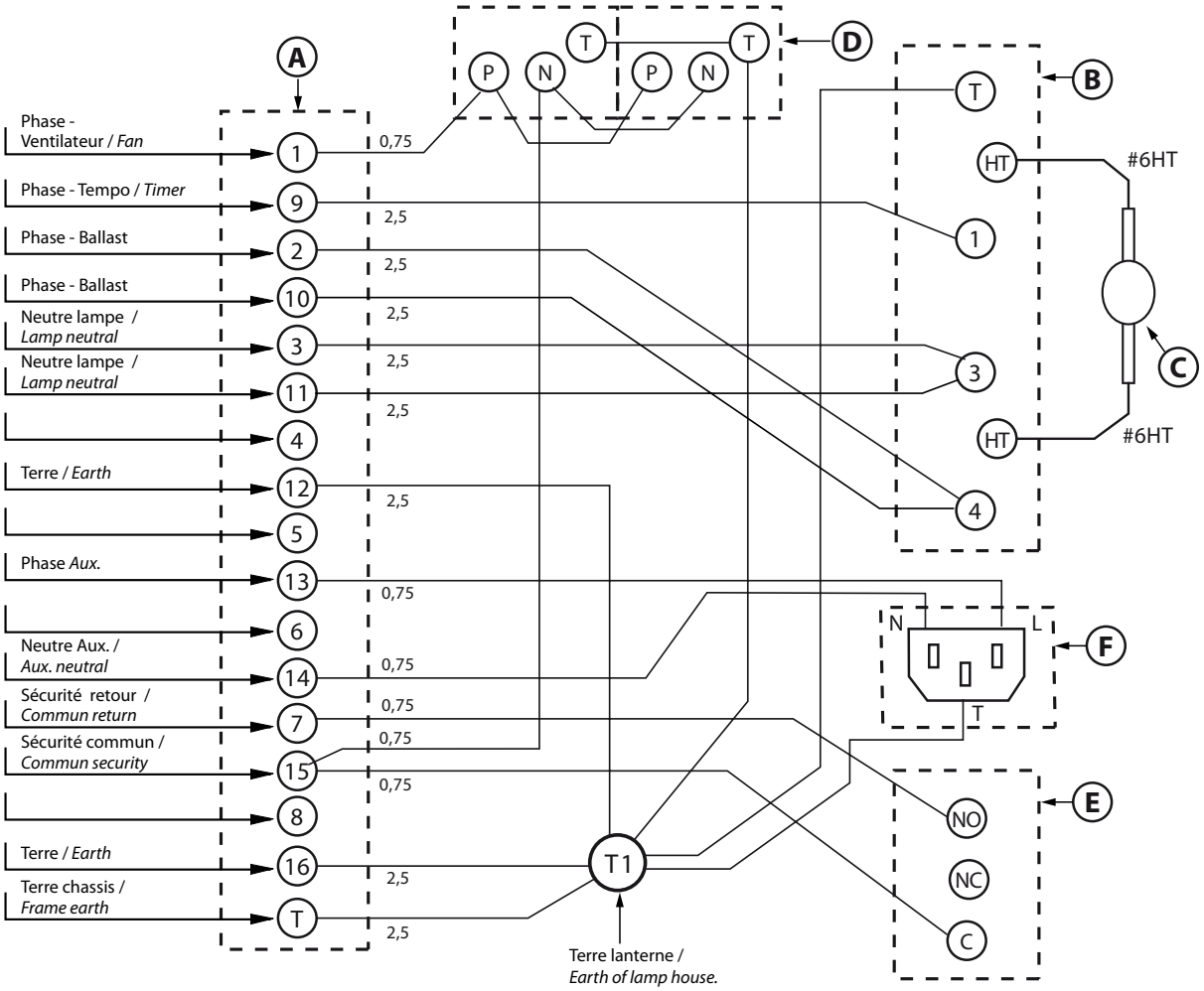
VERSION : ALIMENTATION MAGNÉTIQUE / *MAGNETIC POWER SUPPLY*
LANTERNE / *LAMP HOUSING*



PLAN ELECTRIQUE / *ELECTRICAL DIAGRAM*

A : Connecteur Mâle Harting 16 x 16A / *Male connector 16 X 16 Amps* (COU0016101).
B : Amorceur 2500W / *Ignition block* 2500W (ME15100003).
C : Lampe / *Lamp* - HMI 2500 W/SE ou/*or* MSR 2500HR.
D : Ventilateur / *Fan* (Papst 4890N)(ME14220207).
E : Minirupteur sécurité / *Security switch* - 220/240V. A.C.(ME04200001).
F : Embase femelle IEC C13 / *IEC C13 female socket* - 2p + T 10A 250V (COU0003250).
(Utilisation maximum autorisée = 2A / *Maximum authorised used = 2A.*

A404504-C

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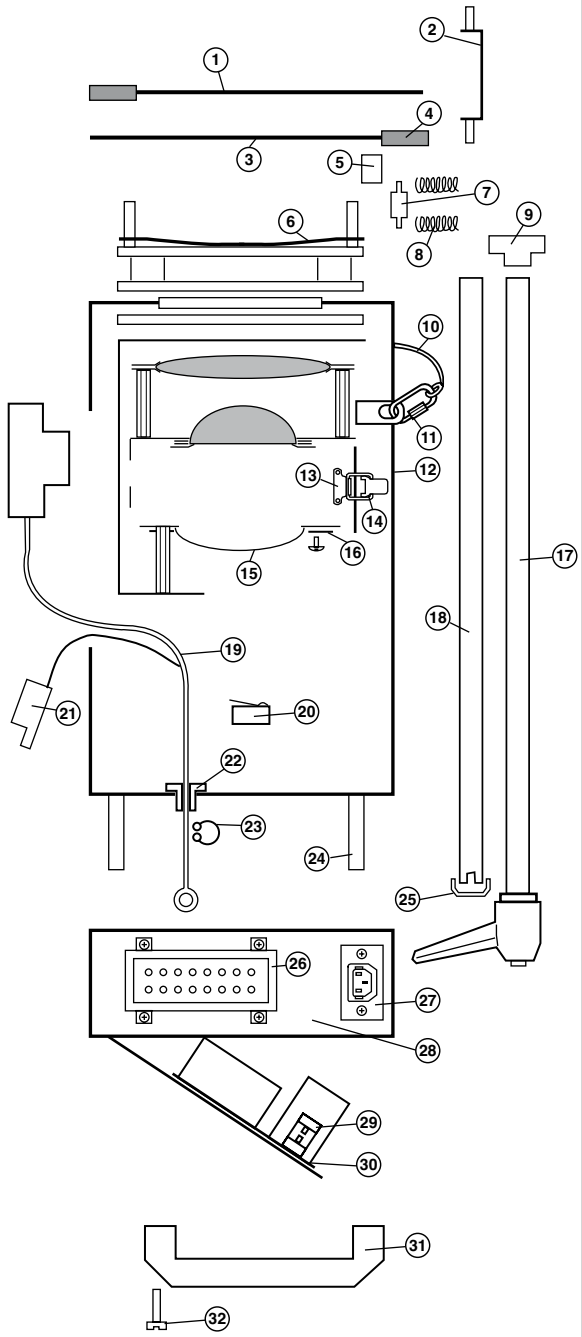
DÉCOUPES MSR 2500W
2500W MSR PROFILES

NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

900 SNX

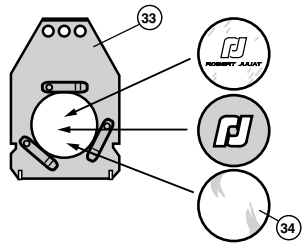
Section C - 1

LANTERNE / *LAMP HOUSING*



REP	CODE	DESCRIPTION
1	DJ30468000	Plaque fixe blocage couteaux / *Fixed shutter blocking plate.* **(930).**
2	DJ40468200	Etrier / *Bracket.* **(930).**
3	DJ30468100	Plaque mobile blocage couteaux complète / *Complete mobile shutter blocking plate.* **(930).**
3	FPADIV0027	Plaque blocage couteaux complète / *Complete shutter blocking plate.* **(933/934).**
4	PO00000001	Poignée seule / *Handle only.*
5	DU40426401	Entretoise / *Strut* (Ø6).
6	DT40425600	Ressort presse couteaux / *Shutter press spring.*
7	DU40423500	Galet / *Roller.*
8	DT40429901	Ressort / *Spring.*
9	DU40440000	Galet de blocage zoom / *Zoom locking roller.*
10	RPAFIX0056	Câble de sécurité / *Safety cable.*
11	RPAFIX0052	Maillon rapide / *Fast link.*
12	PD90000008	Tôlerie lanterne vide / *Empty lantern unit* **(930).**
12	PD90000009	Tôlerie lanterne vide / *Empty lantern unit* **(933/934).**
13	AFGA000001	Crochet / *Hook.*
14	AFG0000002	Grenouillère / *Safety lock.*
15	MI00000002	Miroir / *Reflector.*
16	DJ40504600	Plaque de retenu miroir / *Mirror support.*
17	DU40422603	Tige de blocage / *Locking rod.*
18	DU40236104	Tige de guidage / *Guidance rod.*
19	PD90000003	Câble douille / *Socket cable.*
20	PD10130017	Minirupteur / *Micro switch* (03/2000 -->).
21	COU0003246	Connecteur ventilateur / *Fan connector.*
22	DU40242901	Palier téflon / *Teflon bearing.*
23	VI19050002	Clips.
24	DU40376800	Colonnette / *Shank.*
25	DU40182901	Bague borgne / *Caps.*
26	COU0016101	Connecteur / *Connector* - Harting 16 x 16A.
27	COU0003250	Embase secteur / *Mains socket* - 220/240V.
28	PD90000010	Boîtier amorceur vide / *Empty ignitor housing.*
29	ME15110001	Eclateur / *Spark-gap.*
30	ME15100003	Amorceur complet / *Ignition block.*
31	PO00000021	Poignée / *Handle.*
32	VI08010024	Vis / *Screw* (M8).

ACCESSOIRES / *ACCESSORIES*



33	FPADIV0046	**SGUX** Support gobo universel, taille "A" pour Gobo métal, verre ou verre dépoli Ø100 / *"A" size gobo holder for metal, glass gobo or frosted glass Ø100.*
		Option :
34	OP10051001	**VD100** Verre dépoli Ø100 / *Frosted glass Ø100.*

Measurements are in mm / *Mesures en mm.*

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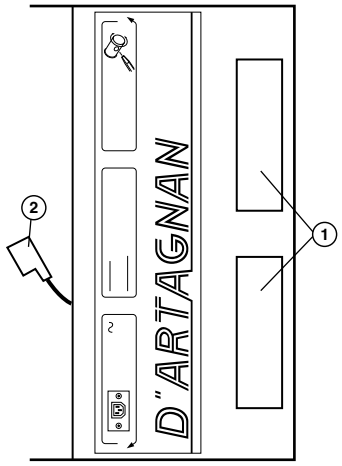
DÉCOUPES MSR 2500W
2500W MSR PROFILES

NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

900 SNX

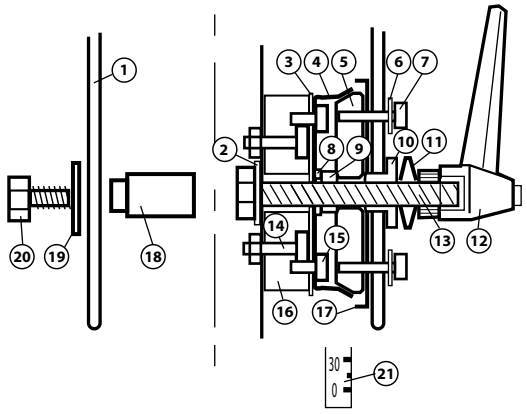
Section C - 2

LANTERNE / *LAMP HOUSING*



REP	CODE	DESCRIPTION
1	ME14220207	Ventilateur / *Fan*.
		A chaque mise en route: vérifier le bon fonctionnement des ventilateurs / *Each time you switch on: make sure the fans are working correctly.*
2	COU0003139	Connecteur d'alimentation des ventilateurs / *Fans power supply connector.*

BLOCAGE DE FOURCHE / *YOKE BLOCKING SYSTEM*



Côté gauche / *Left-hand view.* Côté droit / *Right-hand view.*

REP	CODE	DESCRIPTION
1	DJ30414904	Fourche / *Yoke* - Standard **(933/934)**.
	DJ20395105	Fourche / *Yoke* **-** Standard **(930)**.
	DJ30414906	Fourche / *Yoke* - Option **(933/934)**.
	DJ20395106	Fourche / *Yoke* **-** Option **(930)**.
2	VI10030003	Rondelle / *Washer* (Ø10).
3	DJ40482201	Cale / *Wedge*.
4	DJ30482001	Cône femelle / *Female cone.*
5	DU30482100	Cône mâle / *Male cone.*
6	VI06030003	Rondelle / *Washer* (Ø6).
7	VI06010012	Vis / *Screw* (M6).
8	VI10030003	Rondelle / *Washer* (Ø10).
9	VI10020001	Ecrou / *Nut* (M10).
10	DU40477700	Canon de fourche / *Canon cross piece.*
11	VI10030009	Rondelle à plateau / *Spring washer.*
12	PO00000025	Poignée femelle / *Female handle* (M10).
13	VI10010021	Vis / *Screw* (M10).
14	VI05010033	Vis / *Screw* (M5).
15	VI05010043	Vis / *Screw* (M5).
16	DJ40517300	Entretoise de fixation cône / *Cone spacer*.
17	DJ40434101	Index **(933/934)**.
	DJ40434102	Index **(930)**.
18	DJ40517103	Canon épaulé côté libre / *Blocking nut*.
19	VI10030003	Rondelle/ Washer.
20	VI10010020	Vis / *Screw* (M10).
21	DE40487300	Bande repère / *Bearing strip*.

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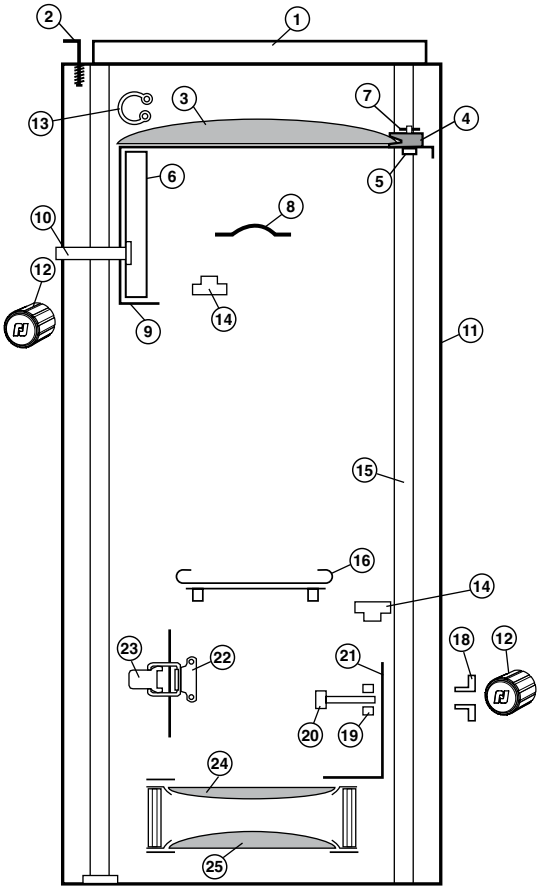
DÉCOUPES MSR 2500W
2500W MSR PROFILES

NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

930 SNX

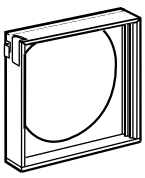
Section C - 3

PIECES INTERIEURES ZOOM / *LENS TUBE INNER PARTS*



REP	CODE	DESCRIPTION
		Glissières avant simples / *Single front slot :*
1	PD70000006	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*
2	PD60000011	Verrou à ressort 3 pièces / *3 piece locking device. (Only for French standard).*
	DJ20534701	Pour accessoires 254 x 254 (standard Nord-Américain) / *For 254 x 254 accessories (North-American standard).*
	DJ20534702	Verrou seul pour d° / *Locking device for item above.*
3	OP20010003	Lentille / *Lens*.
4	DU40423601	Pince lentille / *Lens clip.*
5	VI04010053	Vis / *Screw* (M4).
6	DU40454400	Fourreau guidage lentille avant / *Front lens holder guide.*
7	VI04030005	Rondelle / *Contact washer* (M4).
8	ME11050204	Maintien de câble / *Cable holder.*
9	900P023003	Porte lentille avant / *Front lens sliding holder.*
10	DU40063800	Tige porte bouton / *Knob screw.*
11	900P021107	Tôlerie zoom vide /*Empty zoom unit.*
12	BO10000008	Bouton moleté / *Focusing knob*.
13	VI14050001	Clip.
14	DU40754800	Palier Téflon / *Teflon bearing*.
15	DJ30226216	Tige / *Rod*.
16	FPADIV0025	Support verre dépoli / *Frosted glass holder.*
18	DU40165101	Galet delrin / *Plastic roller.*
19	DU40165102	Bague delrin / *Plastic ring.*
20	DU40183900	Axe porte bouton / *Knob axle.*
21	900P021103	Porte lentille arrière / *Rear lens sliding holder.*
22	AFGA000001	Crochet / *Hook.*
23	AFG0000002	Grenouillère / *Safety lock*.
24	OP11010005	Lentille / *Lens*.
25	OP11010004	Lentille / *Lens*.

OPTION



		Cassette porte accessoires à double glissières / *Double slot cassette for accessories* :
	700P043100	Pour accessoires 245 x 245 (standard Européen & Japon) / *For 245 x 245 accessories (European & Japanese standard).*
	700P040100	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*

Measurements are in mm / *Mesures en mm.*

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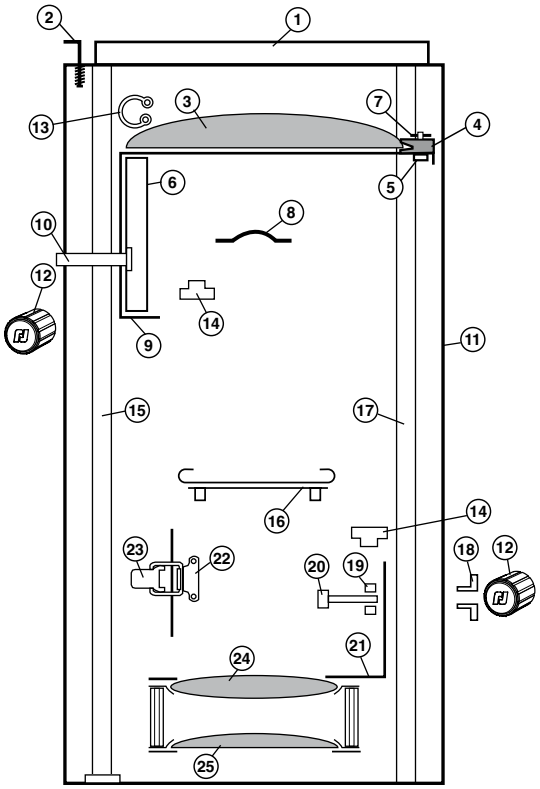
DÉCOUPES MSR 2500W
2500W MSR PROFILES

NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

934 SNX

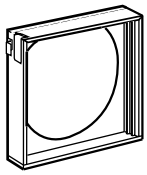
Section C - 4

PIECES INTERIEURES ZOOM /
LENS TUBE INNER PARTS



REP	CODE	DESCRIPTION
		Glissières avant simples / *Single front slot :*
1	PD70000006	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*
2	PD60000011	Verrou à ressort 3 pièces / *3 piece locking device. (Only for French standard).*
	DJ20534701	Pour accessoires 254 x 254 (standard Nord-Américain) / *For 254 x 254 accessories (North-American standard).*
	DJ20534702	Verrou seul pour d° / *Locking device for item above.*
3	OP20010004	Lentille / *Lens.*
4	DU40423601	Pince lentille / *Lens clip.*
5	VI04010053	Vis / *Screw* (M4).
6	DU40454400	Fourreau guidage lentille avant / *Front lens holder guide.*
7	VI04030005	Rondelle / *Contact washer* (M4).
8	ME11050204	Maintien de câble / *Cable holder.*
9	900P023003	Porte lentille avant / *Front lens sliding holder.*
10	DU40063800	Tige porte bouton / *Knob screw.*
11	900P023002	Tôlerie zoom vide / *Empty zoom unit.*
12	BO10000008	Bouton moleté / *Focusing knob.*
13	VI14050001	Clip.
14	DU40754800	Palier Téflon / *Teflon bearing.*
15	DJ30226214	Tube.
16	FPADIV0025	Support verre dépoli / *Frosted glass holder.*
17	DJ30223225	Tige / *Rod.*
18	DU40165101	Galet delrin / *Plastic roller.*
19	DU40165102	Bague delrin / *Plastic ring.*
20	DU40183900	Axe porte bouton / *Knob axle.*
21	900P023005	Porte lentille arrière / *Rear lens sliding holder.*
22	AFGA000001	Crochet / *Hook.*
23	AFG0000002	Grenouillère / *Safety lock.*
24	OP11040001	Lentille / *Lens.*
25	OP11010004	Lentille / *Lens.*

OPTION



		Cassette porte accessoires à double glissières / *Double slot cassette for accessories* :
	700P043100	Pour accessoires 245 x 245 (standard Européen & Japon) / *For 245 x 245 accessories (European & Japanese standard).*
	700P040100	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*

Measurements are in mm / *Mesures en mm.*

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DÉCOUPES MSR 2500W
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NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

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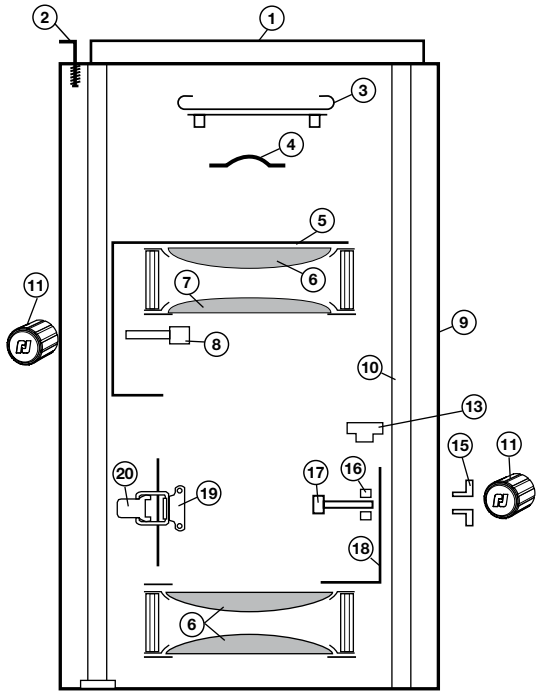
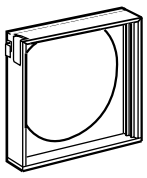
Section C - 5

PIECES INTERIEURES ZOOM / *LENS TUBE INNER PARTS*



REP	CODE	DESCRIPTION
		Glissières avant simples / *Single front slot :*
1	PD70000006	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*
2	PD60000011	Verrou à ressort 3 pièces / *3 piece locking device. (Only for French standard).*
	DJ20534701	Pour accessoires 254 x 254 (standard Nord-Américain) / *For 254 x 254 accessories (North-American standard).*
	DJ20534702	Verrou seul pour d° / *Locking device for item above.*
3	FPADIV0025	Support verre dépoli / *Frosted glass holder.*
4	ME11050204	Maintien de câble / *Cable holder.*
5	900P022004	Porte lentille avant / *Front lens sliding holder.*
6	OP11010004	Lentille / *Lens.*
7	OP11010005	Lentille / *Lens.*
8	DU40063800	Tige porte bouton / *Knob screw.*
9	900P022002	Tôlerie zoom vide / *Empty zoom unit.*
10	DJ30223219	Tube.
11	BO10000008	Bouton moleté / *Focusing knob.*
13	DU40754800	Palier Téflon / *Teflon bearing.*
15	DU40165101	Galet delrin / *Plastic roller.*
16	DU40165102	Bague delrin / *Plastic ring.*
17	DU40183900	Axe porte bouton / *Knob axle.*
18	DJ30461702	Porte lentille arrière / *Rear lens sliding holder.*
19	AFGA000001	Crochet / *Hook.*
20	AFG0000002	Grenouillère / *Safety lock.*

OPTION



		Cassette porte accessoires à double glissières / *Double slot cassette for accessories* :
	700P043100	Pour accessoires 245 x 245 (standard Européen & Japon) / *For 245 x 245 accessories (European & Japanese standard).*
	700P040100	Pour accessoires 215 x 215 (standard Français) / *For 215 x 215 accessories (French standard).*

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DÉCOUPES MSR 2500W
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NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

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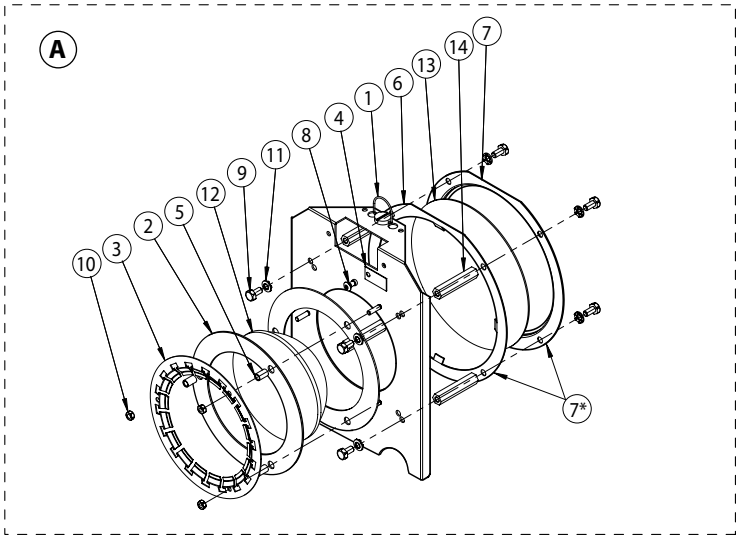
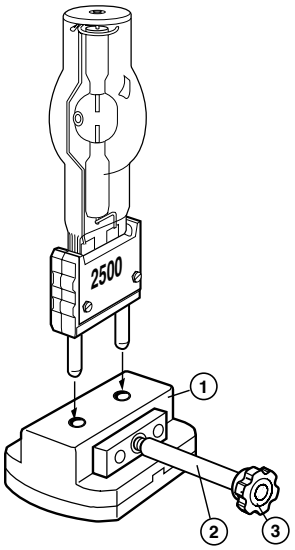
REP	CODE	DESCRIPTION
A	**900P012010**	**Ensemble porte-asphérique / *Complete lens holder* (930 & 934).**
	900P013001	**Ensemble porte-asphérique / *Complete lens holder* (933).**
1	DJ30439400	Support asphérique avec quart de tour / *Lens holder with lock.*
2	DJ40440100	Rondelle de maintien asphérique / *Lens disk support* (Ø80).
3	DJ40440200	Rondelle de pression asphérique / *Lens spring washer.*
4	DJ40461900	Plaque signalétique pour condenseur / *Condenser ID plate.*
5	DU30221964	Entretoise lisse / *Spacer*.
6	DJ40505000	Rondelle de pression / *Washer* **(933)**.
7	DJ40450802	Rondelle porte-lentille / *Lens washer holder* **(933)**.
7*	DT40425800	Rondelle porte-lentille / *Lens washer holder* **(930 & 934)**.
8	VI03240007	Rivet.
9	VI04010055	Vis / *Screw* (M4).
10	VI03020001	Ecrou / *Nut* (M3).
11	VI04030010	Rondelle contact à picot / *Contact washer* (Ø4).
12	OP08020001	Lentille asphérique / *Lens*.
13	OP10040002	Lentille / *Lens* **(930 & 934).**
	OP11040001	Lentille / *Lens* **(933)**.
14	DU30222015	Colonnette / *Spacer* **(930 & 934).**
	DU30222054	Colonnette / *Spacer* **(933)**.



1	**PD90000006**	**Douille G38 complète /*Complete G38 socket.***
2	DU40409100	Axe de serrage seul / *Tightening axle.*
3	BO10000006	Bouton / *Knob.*
		Lampe / *Lamp* :
	RLA1435004	PHILIPS MSR 2500 HR.



Measurements are in mm / *Mesures en mm.*

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DÉCOUPES MSR 2500W
2500W MSR PROFILES

NOMENCLATURE PIECES DETACHEES /
SPARE PARTS LIST.

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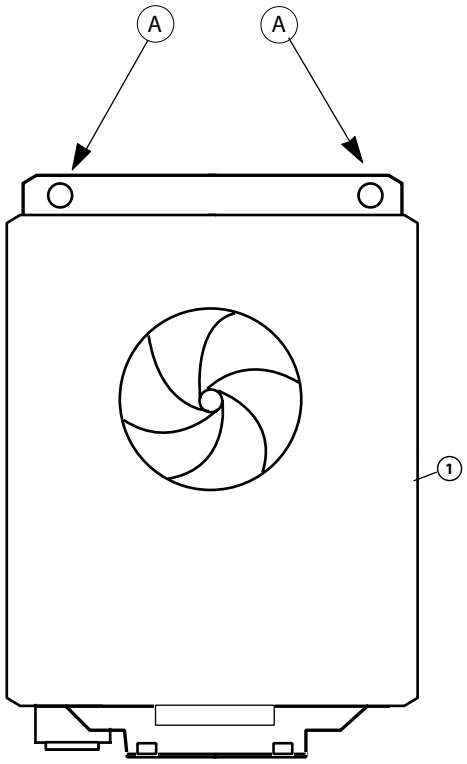
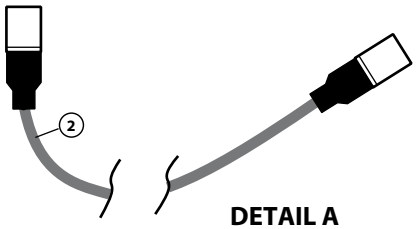
Section C - 7

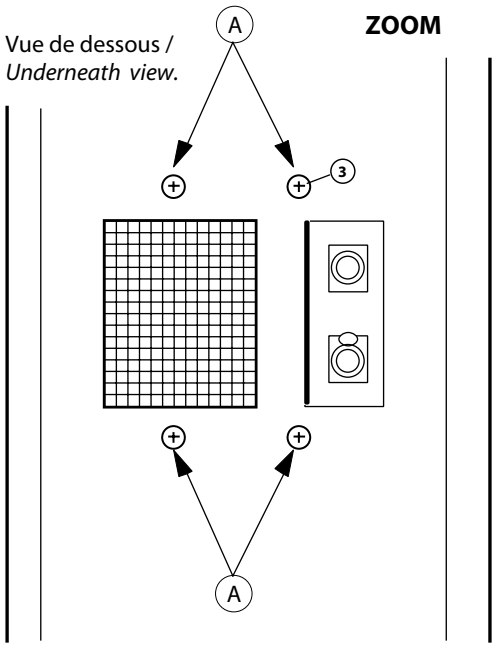


DETAIL A



DETAIL A
ZOOM

Vue de dessous /
Underneath view.



(A) : Points de démontage /
Dismantling points.

REP	CODE	DESCRIPTION
1	900P020105	Obturateur complet / *Complete shutter unit.*
2	FJTC000060	Cordon liaison obturateur / CAD 900 - 3 m. *3m Shutter / CAD 900 cable connection* - **XLR 7**
3	VI04010012	Vis / *Screw* (M4)

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